

Please type a plus sign (+) inside this box → [+]

<div style="text-align: center;">UTILITY PATENT APPLICATION TRANSMITTAL</div> <p><small>Form for new nonprovisional applications under 37 CFR 1.53(b))</small></p>	Attorney Docket No.	A-I-TECH-15	Total Pages	52
	First Named Inventor or Application Identifier			
	CHUNG, KEVIN			
	Express Mail Label No.	EL261099211US	Date Mailed May 25, 2000	

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents.

1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)	6. <input type="checkbox"/> Microfiche Computer Program (Appendix)
2. <input checked="" type="checkbox"/> Specification (preferred arrangement set forth below) <div style="margin-left: 20px;">- Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R&D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure</div>	7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <div style="margin-left: 20px;">a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identity of above copies</div>
3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) (Total Sheets (5))	
4. <input checked="" type="checkbox"/> Oath or Declaration (Total Pages (1)) <div style="margin-left: 20px;">a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) (Note Box 5 Below) <div style="margin-left: 40px;">i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed Statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</div></div>	
5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.	

ACCOMPANYING APPLICATION PARTS

8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))	
9. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee)	<input type="checkbox"/> Power of Attorney
10. <input type="checkbox"/> English Translation Document (if applicable)	
11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449	<input type="checkbox"/> Copies of IDS Citations
12. <input type="checkbox"/> Preliminary Amendment	
13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
14. <input checked="" type="checkbox"/> Small Entity Statement(s)	<input type="checkbox"/> Statement Filed in prior application, Status still proper and desired
15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)	
16. <input type="checkbox"/> Other: _____	

17. **a. If a CONTINUING APPLICATION, check appropriate box and supply requisite information.**

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP)

of the following application(s), each of which is hereby incorporated herein by reference:

09/412,052 October 4, 1999
09/524,148 March 14, 2000

b. Priority Applications
In addition to any applications listed in 17a, the present application also claims priority to the following application(s), each of which is hereby incorporated herein by reference.

60/136,917 June 1, 1999
60/141,344 June 28, 1999
60/150,437 August 24, 1999
60/150,869 August 26, 1999
60/180,907 February 8, 2000

18. CORRESPONDENCE ADDRESS

☒ Customer Number **000110** or
DANN, DORFMAN, HERRELL AND SKILLMAN, P.C.
1601 Market Street, Suite 720
Philadelphia, PA 19103-2307
Phone (215) 563-4100 Facsimile (215) 563-4044

to the attention of the individual identified below.

Clement A. Berard
PTO Registration No. 29,613

FEE TRANSMITTAL

Complete if known

Application Number (not assigned yet)

Filing Date (concurrently herewith)

First Named Inventor **CHUNG, KEVIN**

Group Art Unit (not assigned yet)

Examiner Name (not assigned yet)

TOT. AMT. OF PAYMENT: (1)+(2)+(3) = \$ **741.00**

Attorney Docket Number **A-I-TECH-16A**

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to:

- ☐ Charge indicated fees
☒ Charge additional fees
☒ Credit overpayments

to the account of **DANN, DORFMAN, HERRELL AND SKILLMAN**

Deposit Account Number 04-1406

2. Payment enclosed:

Checks in the amount of \$ 741.00
 Check Nos. _____

FEE CALCULATION

1. FILING FEE

Fee Description	Fee Paid
Utility filing fee	<u>345.00</u>
Design filing fee	_____
Plant filing fee	_____
Reissue filing fee	_____
Provisional filing fee	_____
SUBTOTAL (1)	\$ <u>345.00</u>

2. CLAIMS

	Extra	Fee	Fee Paid
Total Claims Presented <u>51</u> - <u>20</u> = <u>31</u> x <u>9.00</u> = <u>279.00</u> (a)			
Independent Claims Presented <u>6</u> - <u>3</u> = <u>3</u> x <u>39.00</u> = <u>117.00</u> (b)			
Multiple Dependent Claim (first presentation) _____ = _____			

(a) Enter 20 or number previously paid for
 (b) Enter 3 or number previously paid for

SUBTOTAL (2) \$ 396.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Fee Description	Fee Paid
Surcharge-late filing fee or oath	_____
Surcharge - late provisional filing fee or cover sheet	_____
Non-English specification	_____
For filing a request for reexamination	_____
Requesting publication of SIR prior to Examiner action	_____
Requesting publication of SIR after Examiner action	_____
Extension for response within first month	_____
Extension for response within second month	_____
Extension for response within third month	_____
Extension for response within fourth month	_____
Notice of Appeal	_____
Filing a brief in support of an appeal	_____
Request for oral hearing	_____
Petition to institute a public use proceeding	_____
Petition to revive unavoidably abandoned application	_____
Petition to revive unintentionally abandoned application	_____
Issue fee	_____
Petitions to the Commissioner	_____
Petitions related to provisional applications	_____
Submission of Information Disclosure Stmt.	_____
Recording each patent assignment per property (times number of properties)	_____
Filing a submission after final rejection (37 CFR 1.129(a))	_____
For each additional invention to be examined (37 CFR 1.129(b))	_____
Other fee (specify) <u>Advance Order (10 copies)</u>	_____
Other fee (specify) _____	_____

SUBTOTAL (3) \$ _____

Submitted By:

Typed or

Printed Name CLEMENT A. BERARD

Reg. Number 29,613

Signature Clement A. Berard

Date May 25, 2000

Deposit Account User ID

04-1406

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/17 (12-98)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 1999

Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

Complete if Known

TOTAL AMOUNT OF PAYMENT (\$ 840.00

Application Number
Filing Date
First Named Inventor Craig Iwami
Examiner Name
Group / Art Unit
Attorney Docket No. PD-R98004

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 50-0616
Deposit Account Name RAYTHEON COMPANY

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 760	201 380	Utility filing fee	101
106 310	206 155	Design filing fee	
107 480	207 240	Plant filing fee	
108 760	208 380	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$ 760.00

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
11	-20** = 0	X	
1	-3** = 0	X	
Multiple Dependent			

**for number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
103 18	203 9	Claims in excess of 20	
102 78	202 39	Independent claims in excess of 3	
104 260	204 130	Multiple dependent claim, if not paid	
109 78	209 39	** Reissue independent claims over original patent	
110 18	210 9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$ 760.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet.	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 380	216 190	Extension for reply within second month	
117 870	217 435	Extension for reply within third month	
118 1,360	218 680	Extension for reply within fourth month	
128 1,850	228 925	Extension for reply within fifth month	
119 300	219 150	Notice of Appeal	
120 300	220 150	Filing a brief in support of an appeal	
121 260	221 130	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,210	241 605	Petition to revive - unintentional	
142 1,210	242 605	Utility issue fee (or reissue)	
143 430	243 215	Design issue fee	
144 580	244 290	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Petitions related to provisional applications	
126 240	126 240	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	581
146 760	246 380	Filing a submission after final rejection (37 CFR 1.129(a))	
149 760	249 380	For each additional invention to be examined (37 CFR 1.129(b))	
Other fee (specify)			
Other fee (specify)			

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 840.00

SUBMITTED BY

Typed or Printed Name Leonard A. Alkov

Signature Leonard A. Alkov

Date 05-12-00

Complete (if applicable)

Reg. Number 30,021

Deposit Account User ID

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

06/02/2000 NVILLARI 00000016 09578583

01 FC:201	345.00 OP
02 FC:202	117.00 OP
03 FC:203	279.00 OP

PTO-1556
(5/87)